

# Ke Wang

## List of Publications by Citations

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235  
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92  
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251  
ext. papers

11,348  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
235	Giant electric-field-induced strains in lead-free ceramics for actuator applications – status and perspective. <i>Journal of Electroceramics</i> , <b>2012</b> , 29, 71-93	1.5	674
234	(K, Na)NbO <sub>3</sub> -Based Lead-Free Piezoceramics: Fundamental Aspects, Processing Technologies, and Remaining Challenges. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 3677-3696	3.8	598
233	Temperature-Insensitive (K,Na)NbO <sub>3</sub> -Based Lead-Free Piezoactuator Ceramics. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4079-4086	15.6	406
232	Ferroelectric and Piezoelectric Properties of Fine-Grained Na <sub>0.5</sub> K <sub>0.5</sub> NbO <sub>3</sub> Lead-Free Piezoelectric Ceramics Prepared by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 706-709	3.8	392
231	Domain Engineering of Lead-Free Li-Modified (K,Na)NbO <sub>3</sub> Polycrystals with Highly Enhanced Piezoelectricity. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1924-1929	15.6	327
230	BiSbTe-Based Nanocomposites with High ZT: The Effect of SiC Nanodispersion on Thermoelectric Properties. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4317-4323	15.6	325
229	Temperature-Dependent Properties of (Bi <sub>1/2</sub> Na <sub>1/2</sub> )TiO <sub>3</sub> (Bi <sub>1/2</sub> K <sub>1/2</sub> )TiO <sub>3</sub> /rTiO <sub>3</sub> Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 2241-2247	3.8	307
228	The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 528-537	35.4	305
227	High and Temperature-Insensitive Piezoelectric Strain in Alkali Niobate Lead-free Perovskite. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3889-3895	16.4	245
226	Simultaneously achieved temperature-insensitive high energy density and efficiency in domain engineered BaTiO <sub>3</sub> -Bi(Mg <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>3</sub> lead-free relaxor ferroelectrics. <i>Nano Energy</i> , <b>2018</b> , 52, 203-210	17.1	234
225	Diffused Phase Transition Boosts Thermal Stability of High-Performance Lead-Free Piezoelectrics. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1217-1224	15.6	228
224	Compositional Dependence of Piezoelectric Properties in Na <sub>x</sub> K <sub>1-x</sub> NbO <sub>3</sub> Lead-Free Ceramics Prepared by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 1605-1609	3.8	222
223	Analysis of crystallographic evolution in (Na,K)NbO <sub>3</sub> -based lead-free piezoceramics by x-ray diffraction. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 262902	3.4	188
222	Sintering of Lead-Free Piezoelectric Sodium Potassium Niobate Ceramics. <i>Materials</i> , <b>2015</b> , 8, 8117-8146	3.5	153
221	Nanocomposite Membranes Enhance Bone Regeneration Through Restoring Physiological Electric Microenvironment. <i>ACS Nano</i> , <b>2016</b> , 10, 7279-86	16.7	139
220	Piezoelectric properties of low-temperature sintered Li-modified (Na, K)NbO <sub>3</sub> lead-free ceramics. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 092904	3.4	129
219	Thermally stable piezoelectric properties of (K, Na)NbO <sub>3</sub> -based lead-free perovskite with rhombohedral-tetragonal coexisting phase. <i>Acta Materialia</i> , <b>2017</b> , 122, 344-351	8.4	126

218	Requirements for the transfer of lead-free piezoceramics into application. <i>Journal of Materiomics</i> , <b>2018</b> , 4, 13-26	6.7	121
217	(K, Na)NbO <sub>3</sub> -based lead-free piezoceramics: Phase transition, sintering and property enhancement. <i>Journal of Advanced Ceramics</i> , <b>2012</b> , 1, 24-37	10.7	116
216	High-performance lead-free piezoelectrics with local structural heterogeneity. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 3531-3539	35.4	102
215	Influence of Sintering Temperature on Grain Growth and Phase Structure of Compositionally Optimized High-Performance Li/Ta-Modified (Na,K)NbO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1748-1752	3.8	100
214	Temperature Stability of Lead-Free Niobate Piezoceramics with Engineered Morphotropic Phase Boundary. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2177-2182	3.8	99
213	Compositional dependence of dielectric and ferroelectric properties in BiFeO <sub>3</sub> BaTiO <sub>3</sub> solid solutions. <i>Ceramics International</i> , <b>2014</b> , 40, 4759-4765	5.1	90
212	Au Nanocage-Strengthened Dissolving Microneedles for Chemo-Photothermal Combined Therapy of Superficial Skin Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9247-9256	9.5	85
211	A brief review on relaxor ferroelectrics and selected issues in lead-free relaxors. <i>Journal of the Korean Physical Society</i> , <b>2016</b> , 68, 1481-1494	0.6	85
210	Multi-scale thermal stability of niobate-based lead-free piezoceramics with large piezoelectricity. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8780-8787	7.1	77
209	Sodium storage in hard carbon with curved graphene platelets as the basic structural units. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3327-3335	13	76
208	Nanoscale ferroelectric/relaxor composites: Origin of large strain in lead-free Bi-based incipient piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 3401-3407	6	74
207	Ferroelectric domain morphology and temperature-dependent piezoelectricity of (K,Na,Li)(Nb,Ta,Sb)O <sub>3</sub> lead-free piezoceramics. <i>RSC Advances</i> , <b>2014</b> , 4, 20062-20068	3.7	74
206	Enhanced bipolar fatigue resistance in CaZrO <sub>3</sub> -modified (K,Na)NbO <sub>3</sub> lead-free piezoceramics. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 242912	3.4	64
205	Preparation of hollow Zn <sub>2</sub> SnO <sub>4</sub> boxes for advanced lithium-ion batteries. <i>RSC Advances</i> , <b>2013</b> , 3, 14480	3.7	59
204	Niobate-based lead-free piezoceramics: a diffused phase transition boundary leading to temperature-insensitive high piezoelectric voltage coefficients. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 1116-1125	7.1	58
203	Technology transfer of lead-free (K, Na)NbO <sub>3</sub> -based piezoelectric ceramics. <i>Materials Today</i> , <b>2019</b> , 29, 37-48	21.8	56
202	Temperature-insensitive electric-field-induced strain and enhanced piezoelectric properties of textured (K,Na)NbO <sub>3</sub> -based lead-free piezoceramics. <i>Acta Materialia</i> , <b>2018</b> , 156, 389-398	8.4	56
201	Poling engineering of (K,Na)NbO <sub>3</sub> -based lead-free piezoceramics with orthorhombic-tetragonal coexisting phases. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 549-556	7.1	55

200	Shifting the phase boundary: Potassium sodium niobate derivatives. <i>MRS Bulletin</i> , <b>2018</b> , 43, 607-611	3.2	54
199	Regulation of Drug Release by Tuning Surface Textures of Biodegradable Polymer Microparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14391-14400	9.5	52
198	Nanodomain Engineered (K, Na)NbO <sub>3</sub> Lead-Free Piezoceramics: Enhanced Thermal and Cycling Reliabilities. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 448-454	3.8	52
197	Electrical and Mechanical Properties of Fine-Grained Li/Ta-Modified (Na,K)NbO <sub>3</sub> -Based Piezoceramics Prepared by Spark Plasma Sintering. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1378	3.8	52
196	High Normalized Strain Obtained in Li-Modified (K,Na)NbO <sub>3</sub> Lead-Free Piezoceramics. <i>Applied Physics Express</i> , <b>2011</b> , 4, 061501	2.4	52
195	Fatigue-free unipolar strain behavior in CaZrO <sub>3</sub> and MnO <sub>2</sub> co-modified (K,Na)NbO <sub>3</sub> -based lead-free piezoceramics. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 192907	3.4	51
194	Low-Temperature Sintering of Li-Modified (K, Na)NbO <sub>3</sub> Lead-Free Ceramics: Sintering Behavior, Microstructure, and Electrical Properties. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1101-1107	3.8	50
193	Synthesis of highly piezoelectric lead-free (K, Na)NbO <sub>3</sub> one-dimensional perovskite nanostructures. <i>Chemical Communications</i> , <b>2013</b> , 49, 4003-5	5.8	49
192	The association between smoking and blood pressure in men: a cross-sectional study. <i>BMC Public Health</i> , <b>2017</b> , 17, 797	4.1	48
191	Grain size dependent electrostrain in Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> -SrTiO <sub>3</sub> incipient piezoceramics. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 2849-2853	6	47
190	Composition Inhomogeneity due to Alkaline Volatilization in Li-Modified (K, Na)NbO <sub>3</sub> Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 2693-2695	3.8	47
189	Normal sintering of (K, Na)NbO <sub>3</sub> -based lead-free piezoelectric ceramics. <i>Ceramics International</i> , <b>2008</b> , 34, 783-786	5.1	47
188	Block Copolymer Capsules with Structure-Dependent Release Behavior. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14633-14637	16.4	46
187	Plasma etching behavior of Y <sub>2</sub> O <sub>3</sub> ceramics: Comparative study with Al <sub>2</sub> O <sub>3</sub> . <i>Applied Surface Science</i> , <b>2016</b> , 366, 304-309	6.7	46
186	Leakage current characteristics and Sm/Ti doping effect in BiFeO <sub>3</sub> thin films on silicon wafers. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 064101	2.5	45
185	MicroRNA-139-3p regulates osteoblast differentiation and apoptosis by targeting ELK1 and interacting with long noncoding RNA ODSM. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 1107	9.8	45
184	Phase structure and electrical properties of (Li,Ta)-doped (K,Na)NbO <sub>3</sub> lead-free piezoceramics in the vicinity of Na/K = 50/50. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 5111-5116	4.3	44
183	miR-15b-AGO2 play a critical role in HTR8/SVneo invasion and in a model of angiogenesis defects related to inflammation. <i>Placenta</i> , <b>2016</b> , 41, 62-73	3.4	43

182	Practical high-performance lead-free piezoelectrics: structural flexibility beyond utilizing multiphase coexistence. <i>National Science Review</i> , <b>2020</b> , 7, 355-365	10.8	42
181	Effect of poling temperature on piezoelectricity of CaZrO <sub>3</sub> -modified (K, Na)NbO <sub>3</sub> -based lead-free ceramics. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 114102	2.5	41
180	Enhanced Temperature Stability and Defect Mechanism of BNT-Based Lead-Free Piezoceramics Investigated by a Quenching Process. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800756	6.4	40
179	Further Enhancing Piezoelectric Properties by Adding MnO <sub>2</sub> in AgSbO <sub>3</sub> -Modified (Li,K,Na)(Nb,Ta)O <sub>3</sub> Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 3670-3676	3.8	39
178	Forced electrostriction by constraining polarization switching enhances the electromechanical strain properties of incipient piezoceramics. <i>NPG Asia Materials</i> , <b>2017</b> , 9, e346-e346	10.3	36
177	Structure and composition characterization of lead-free (K, Na)NbO <sub>3</sub> piezoelectric nanorods synthesized by the molten-salt reaction. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1519-1524	7.1	36
176	High and Frequency-Insensitive Converse Piezoelectric Coefficient Obtained in AgSbO <sub>3</sub> -Modified (Li, K, Na)(Nb,Ta)O <sub>3</sub> Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 519-523	3.8	36
175	Hydrothermal Synthesis and Spark Plasma Sintering of (K, Na)NbO <sub>3</sub> Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 1884-1887	3.8	36
174	Large strain of lead-free bismuth ferrite ternary ceramics at elevated temperature. <i>Scripta Materialia</i> , <b>2018</b> , 155, 11-15	5.6	36
173	Ultra-large electric field-induced strain in potassium sodium niobate crystals. <i>Science Advances</i> , <b>2020</b> , 6, eaay5979	14.3	35
172	Responsive Photonic Hydrogel-Based Colorimetric Sensors for Detection of Aldehydes in Aqueous Solution. <i>Langmuir</i> , <b>2018</b> , 34, 3987-3992	4	35
171	Lead-free Na <sub>0.5</sub> K <sub>0.5</sub> NbO <sub>3</sub> piezoelectric ceramics fabricated by spark plasma sintering: Annealing effect on electrical properties. <i>Journal of Electroceramics</i> , <b>2008</b> , 21, 251-254	1.5	35
170	Practical high strain with superior temperature stability in lead-free piezoceramics through domain engineering. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23736-23745	13	34
169	Perovskite Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> : a potential family of peculiar lead-free electrostrictors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 13658-13670	13	33
168	Combined effects of Li content and sintering temperature on polymorphic phase boundary and electrical properties of Li/Ta co-doped (Na, K)NbO <sub>3</sub> lead-free piezoceramics. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 97, 911-917	2.6	33
167	Cycling of a Lithium-Ion Battery with a Silicon Anode Drives Large Mechanical Actuation. <i>Advanced Materials</i> , <b>2016</b> , 28, 10236-10243	24	33
166	Intergranular Stress Induced Phase Transition in CaZrO <sub>3</sub> Modified KNN-Based Lead-Free Piezoelectrics. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 1372-1376	3.8	32
165	Simultaneous enhancement of piezoelectricity and temperature stability in (K,Na)NbO <sub>3</sub> -based lead-free piezoceramics by incorporating perovskite zirconates. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 10618-10627	7.1	31

164	Comprehensive investigation of elastic and electrical properties of Li/Ta-modified (K,Na)NbO <sub>3</sub> lead-free piezoceramics. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 174105	2.5	30
163	Botryoidal hollow Zn <sub>2</sub> SnO <sub>4</sub> @graphene as anode materials for advanced lithium-ion batteries. <i>RSC Advances</i> , <b>2013</b> , 3, 23489	3.7	30
162	Spark plasma sintering of Li/Ta-modified (K,Na)NbO <sub>3</sub> lead-free piezoelectric ceramics: Post-annealing temperature effect on phase structure, electrical properties and grain growth behavior. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2011</b> , 176, 1110-1114	3.1	28
161	Group VB transition metal dichalcogenides for oxygen reduction reaction and strain-enhanced activity governed by p-orbital electrons of chalcogen. <i>Nano Research</i> , <b>2019</b> , 12, 925-930	10	27
160	Preparation and application of hollow ZnFe <sub>2</sub> O <sub>4</sub> @PANI hybrids as high performance anode materials for lithium-ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 107247-107253	3.7	27
159	Large Piezoelectric Strain in Sub-10 Nanometer Two-Dimensional Polyvinylidene Fluoride Nanoflakes. <i>ACS Nano</i> , <b>2019</b> , 13, 4496-4506	16.7	26
158	The impact of chemical heterogeneity in lead-free (K, Na)NbO <sub>3</sub> piezoelectric perovskite: Ferroelectric phase coexistence. <i>Acta Materialia</i> , <b>2019</b> , 166, 551-559	8.4	25
157	Large strain and temperature-insensitive piezoelectric effect in high-temperature piezoelectric ceramics. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 456-463	7.1	25
156	The phase structure and electric properties of low-temperature sintered (K, Na)NbO <sub>3</sub> -based piezoceramics modified by CuO. <i>Ceramics International</i> , <b>2014</b> , 40, 2927-2931	5.1	25
155	Addition of small amounts of BiFeO <sub>3</sub> to (Li,K,Na)(Nb,Ta)O <sub>3</sub> lead-free ceramics: Influence on phase structure, microstructure and piezoelectric properties. <i>Journal of the European Ceramic Society</i> , <b>2012</b> , 32, 3575-3582	6	25
154	Determination of crystallographic orientation of lead-free piezoelectric (K,Na)NbO <sub>3</sub> epitaxial thin films grown on SrTiO <sub>3</sub> (100) surfaces. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 102902	3.4	25
153	Temperature independence of piezoelectric properties for high-performance BiFeO-BaTiO lead-free piezoelectric ceramics up to 300 °C. <i>RSC Advances</i> , <b>2018</b> , 8, 35794-35801	3.7	25
152	Refreshing Piezoelectrics: Distinctive Role of Manganese in Lead-Free Perovskites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37298-37306	9.5	25
151	High-Performance 0-3 Type Niobate-Based Lead-Free Piezoelectric Composite Ceramics with ZnO Inclusions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 30566-30573	9.5	24
150	Toroidal polar topology in strained ferroelectric polymer. <i>Science</i> , <b>2021</b> , 371, 1050-1056	33.3	24
149	Defect Engineering in Lead Zirconate Titanate Ferroelectric Ceramic for Enhanced Electromechanical Transducer Efficiency. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2005012	15.6	24
148	Electromechanical properties of CaZrO <sub>3</sub> modified (K,Na)NbO <sub>3</sub> -based lead-free piezoceramics under uniaxial stress conditions. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2116-2122	3.8	23
147	Piezoelectricity of lead-free (K, Na)NbO <sub>3</sub> nanoscale single crystals. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 9091-9098	7.1	23

146	MiR-30 family members inhibit osteoblast differentiation by suppressing Runx2 under unloading conditions in MC3T3-E1 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 522, 164-170	3.4	23
145	Defect suppression in CaZrO <sub>3</sub> -modified (K, Na)NbO <sub>3</sub> -based lead-free piezoceramic by sintering atmosphere control. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 3393-3401	3.8	21
144	Low-temperature sintered Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -SrTiO <sub>3</sub> incipient piezoceramics and the co-fired multilayer piezoactuator thereof. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 4617-4623	6	21
143	(K,Na)NbO <sub>3</sub> -based Lead-free Piezoelectric Materials: An Encounter with Scanning Probe Microscopy. <i>Journal of the Korean Ceramic Society</i> , <b>2017</b> , 54, 261-271	2.2	21
142	Cubic Cu <sub>2</sub> O/Cu <sub>2</sub> S Particles with a Unique Truncated Edge Structure Anchoring on Reduced Graphene Oxide as An Enhanced Anode Material for Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2018</b> , 5, 630-636	4.3	21
141	Synthesis of Hollow SnO <sub>2</sub> /SnS <sub>2</sub> Hybrids and their Application in Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2017</b> , 4, 2308-2313	4.3	20
140	Enhanced energy storage properties in Nb-modified Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -SrTiO <sub>3</sub> lead-free electroceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 5780-5790	2.1	20
139	Local Fine Structural Insight into Mechanism of Electrochemical Passivation of Titanium. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 18608-19	9.5	20
138	Identifying phase transition behavior in Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> single crystals by piezoresponse force microscopy. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 174103	2.5	19
137	Influence of calcium hydroxide addition on arsenic leaching and solidification/stabilisation behaviour of metallurgical-slag-based green mining fill. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 390, 122161	12.8	19
136	Low-temperature sintering of (K,Na)NbO <sub>3</sub> -based lead-free piezoceramics with addition of LiF. <i>Journal of the European Ceramic Society</i> , <b>2014</b> , 34, 1161-1167	6	19
135	Establishment and assessment of a novel cleaner production process of corn grain fuel ethanol. <i>Bioresour Technol</i> , <b>2013</b> , 148, 453-60	11	19
134	Curcumin enhances temsirolimus-induced apoptosis in human renal carcinoma cells through upregulation of YAP/p53. <i>Oncology Letters</i> , <b>2016</b> , 12, 4999-5006	2.6	19
133	Defect Management and Multi-Mode Optoelectronic Manipulations via Photo-Thermochromism in Smart Windows. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2100211	8.3	19
132	Influence of trace zirconia addition on the properties of (K,Na)NbO <sub>3</sub> solid solutions. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6914-6923	7.1	18
131	Modeling 3GPP LTE Advanced DRX Mechanism Under Multimedia Traffic. <i>IEEE Communications Letters</i> , <b>2014</b> , 18, 1238-1241	3.8	18
130	Fabrication of convex lens-shaped polymer particles by tuning the interfacial interaction. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 507-511	7.8	18
129	Inverted electro-mechanical behaviour induced by the irreversible domain configuration transformation in (K,Na)NbO <sub>3</sub> -based ceramics. <i>Scientific Reports</i> , <b>2016</b> , 6, 22053	4.9	18

128	Enhanced piezoelectricity and temperature stability in LaFeO <sub>3</sub> -modified KNN-based lead-free ceramics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 6126-6136	3.8	17
127	Targeted overexpression of the long noncoding RNA ODSM can regulate osteoblast function in vitro and in vivo. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 133	9.8	17
126	Risk factors for renal involvement and severe kidney disease in 2731 Chinese children with Henoch-Schönlein purpura: A retrospective study. <i>Medicine (United States)</i> , <b>2018</b> , 97, e12520	1.8	17
125	Temperature dependent fracture toughness of KNN-based lead-free piezoelectric ceramics. <i>Acta Materialia</i> , <b>2019</b> , 174, 369-378	8.4	16
124	Influence of chirality on catalytic generation of nitric oxide and platelet behavior on selenocystine immobilized TiO <sub>2</sub> films. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 145, 122-129	6	16
123	Investigation of high piezoelectric properties of KNNSb-Sr BNZ ceramics. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 815, 152252	5.7	16
122	Stabilization of Pickering emulsions using starch nanocrystals treated with alkaline solution. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 155, 273-285	7.9	16
121	High Q <sub>m</sub> values and humidity effect on the electrical properties of (K, Na)NbO <sub>3</sub> lead-free piezoceramics doped with B <sub>2</sub> O <sub>3</sub> /CuO mixed oxides. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 1561-1569	3.8	15
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119	Robust CaZrO <sub>3</sub> -modified (K, Na)NbO <sub>3</sub> -based lead-free piezoceramics: High fatigue resistance insensitive to temperature and electric field. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 134102	2.5	15
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117	Giant power output in lead-free ferroelectrics by shock-induced phase transition. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	15
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113	Temperature-Insensitive Piezoelectric Performance in Pb(ZrTiSnNb)O Ceramics Prepared by Spark Plasma Sintering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34078-34084	9.5	13
112	Monoclinic (K,Na)NbO <sub>3</sub> Ferroelectric Phase in Epitaxial Films. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700226	6.4	13
111	Ferroelectric and piezoelectric properties of 0.82(Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -(0.18-x)BaTiO <sub>3</sub> -x(Bi <sub>0.5</sub> Na <sub>0.5</sub> )(Mn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> lead-free ceramics. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 774, 948-953	5.7	13



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5	Dynamic Breakdown of ZnO Varistor Ceramics under Pulsed Electric Field. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , <b>2019</b> , 34, 715	1	0
4	Lithium/Sodium-Ion Batteries: In Situ, Atomic-Resolution Observation of Lithiation and Sodiation of WS <sub>2</sub> Nanoflakes: Implications for Lithium-Ion and Sodium-Ion Batteries (Small 24/2021). <i>Small</i> , <b>2021</b> , 17, 2170120	11	0
3	First-principles calculation of influences of La-doping on electronic structures of KNN lead-free ceramics. <i>Chinese Physics B</i> , <b>2020</b> , 29, 067702	1.2	0

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| 2 | Understanding spatiotemporal patterns of typhoon storm surge disasters based on their tropical cyclone track clusters in China. <i>Geomatics, Natural Hazards and Risk</i> , <b>2021</b> , 12, 2736-2754 | 3.6 |
| 1 | Electrical property and phase transition analysis of KNN-based lead-free ferroelectric films. <i>Materials Research Express</i> , <b>2022</b> , 9, 056403  | 1.7 |